

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050123\  
 Data File : VD075937.D  
 Acq On : 01 May 2023 14:01  
 Operator : KP/SY  
 Sample : 02548-29RE  
 Misc : 6.22G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCQ9RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Title : SFAM01.0

Signal : TIC: VD075937.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.652       | 8             | 11          | 12           | rBV      | 376            | 447           | 0.09%           | 0.013%        |
| 2         | 1.687       | 14            | 17          | 18           | rBV2     | 1427           | 1848          | 0.37%           | 0.053%        |
| 3         | 1.728       | 18            | 24          | 39           | rVV      | 271248         | 502987        | 100.00%         | 14.444%       |
| 4         | 2.064       | 79            | 81          | 83           | rBV2     | 652            | 592           | 0.12%           | 0.017%        |
| 5         | 2.117       | 88            | 90          | 91           | rBV      | 1243           | 702           | 0.14%           | 0.020%        |
| 6         | 2.140       | 93            | 94          | 96           | rBV      | 1777           | 1655          | 0.33%           | 0.048%        |
| 7         | 2.270       | 111           | 116         | 123          | rBV      | 37359          | 55723         | 11.08%          | 1.600%        |
| 8         | 2.417       | 136           | 141         | 150          | rVB      | 23984          | 38043         | 7.56%           | 1.092%        |
| 9         | 2.581       | 167           | 169         | 170          | rBV      | 2376           | 2041          | 0.41%           | 0.059%        |
| 10        | 2.799       | 201           | 206         | 213          | rVB2     | 35202          | 66293         | 13.18%          | 1.904%        |
| 11        | 3.264       | 283           | 285         | 289          | rBV3     | 640            | 669           | 0.13%           | 0.019%        |
| 12        | 3.458       | 316           | 318         | 319          | rBV2     | 690            | 458           | 0.09%           | 0.013%        |
| 13        | 3.617       | 344           | 345         | 348          | rBV2     | 706            | 665           | 0.13%           | 0.019%        |
| 14        | 3.740       | 364           | 366         | 368          | rVB      | 603            | 483           | 0.10%           | 0.014%        |
| 15        | 3.764       | 368           | 370         | 371          | rBV      | 684            | 510           | 0.10%           | 0.015%        |
| 16        | 3.793       | 372           | 375         | 377          | rVV2     | 677            | 804           | 0.16%           | 0.023%        |
| 17        | 3.817       | 377           | 379         | 382          | rVV      | 1021           | 864           | 0.17%           | 0.025%        |
| 18        | 3.917       | 385           | 396         | 406          | rVV      | 30851          | 79111         | 15.73%          | 2.272%        |
| 19        | 4.022       | 408           | 414         | 426          | rVB2     | 9736           | 23935         | 4.76%           | 0.687%        |
| 20        | 4.234       | 449           | 450         | 453          | rBV2     | 496            | 582           | 0.12%           | 0.017%        |
| 21        | 4.264       | 453           | 455         | 457          | rVB2     | 618            | 431           | 0.09%           | 0.012%        |
| 22        | 4.422       | 481           | 482         | 485          | rVB      | 786            | 458           | 0.09%           | 0.013%        |
| 23        | 4.799       | 537           | 546         | 556          | rVB4     | 9787           | 29996         | 5.96%           | 0.861%        |
| 24        | 4.952       | 568           | 572         | 575          | rBV2     | 431            | 701           | 0.14%           | 0.020%        |
| 25        | 5.075       | 590           | 593         | 594          | rBV2     | 548            | 609           | 0.12%           | 0.017%        |
| 26        | 5.281       | 626           | 628         | 630          | rVB2     | 690            | 441           | 0.09%           | 0.013%        |
| 27        | 5.305       | 630           | 632         | 634          | rBV2     | 561            | 686           | 0.14%           | 0.020%        |
| 28        | 5.464       | 656           | 659         | 662          | rBV2     | 542            | 652           | 0.13%           | 0.019%        |
| 29        | 5.517       | 664           | 668         | 669          | rBV      | 559            | 613           | 0.12%           | 0.018%        |
| 30        | 5.628       | 685           | 687         | 691          | rVB2     | 811            | 646           | 0.13%           | 0.019%        |
| 31        | 5.781       | 711           | 713         | 715          | rBV2     | 538            | 435           | 0.09%           | 0.012%        |
| 32        | 5.822       | 718           | 720         | 724          | rVB      | 758            | 591           | 0.12%           | 0.017%        |
| 33        | 5.911       | 734           | 735         | 739          | rBV2     | 621            | 769           | 0.15%           | 0.022%        |
| 34        | 6.064       | 758           | 761         | 762          | rVV2     | 516            | 588           | 0.12%           | 0.017%        |
| 35        | 6.122       | 769           | 771         | 774          | rVB2     | 839            | 890           | 0.18%           | 0.026%        |
| 36        | 6.152       | 774           | 776         | 782          | rBV2     | 919            | 1672          | 0.33%           | 0.048%        |

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Title : SFAM01.0

|    |       |     |     |     |      |     |     |       |        |
|----|-------|-----|-----|-----|------|-----|-----|-------|--------|
| 37 | 6.246 | 790 | 792 | 794 | rBV2 | 493 | 443 | 0.09% | 0.013% |
| 38 | 6.428 | 819 | 823 | 824 | rBV2 | 953 | 846 | 0.17% | 0.024% |
| 39 | 6.658 | 859 | 862 | 864 | rBV  | 628 | 534 | 0.11% | 0.015% |
| 40 | 6.681 | 864 | 866 | 868 | rBV2 | 552 | 544 | 0.11% | 0.016% |

|    |       |     |     |     |      |       |       |        |        |
|----|-------|-----|-----|-----|------|-------|-------|--------|--------|
| 41 | 6.781 | 881 | 883 | 886 | rBV2 | 454   | 484   | 0.10%  | 0.014% |
| 42 | 6.987 | 909 | 918 | 926 | rBV  | 24221 | 65670 | 13.06% | 1.886% |
| 43 | 7.352 | 978 | 980 | 981 | rBV  | 675   | 443   | 0.09%  | 0.013% |
| 44 | 7.399 | 985 | 988 | 990 | rBV2 | 321   | 487   | 0.10%  | 0.014% |
| 45 | 7.428 | 992 | 993 | 994 | rBV  | 843   | 474   | 0.09%  | 0.014% |

|    |       |      |      |      |      |       |        |        |        |
|----|-------|------|------|------|------|-------|--------|--------|--------|
| 46 | 7.505 | 1004 | 1006 | 1007 | rBV2 | 920   | 644    | 0.13%  | 0.018% |
| 47 | 7.569 | 1007 | 1017 | 1029 | rVV  | 67702 | 167193 | 33.24% | 4.801% |
| 48 | 7.728 | 1040 | 1044 | 1046 | rVB2 | 735   | 543    | 0.11%  | 0.016% |
| 49 | 7.816 | 1058 | 1059 | 1062 | rVB  | 586   | 535    | 0.11%  | 0.015% |
| 50 | 7.969 | 1083 | 1085 | 1088 | rBV2 | 569   | 624    | 0.12%  | 0.018% |

|    |       |      |      |      |      |        |        |        |         |
|----|-------|------|------|------|------|--------|--------|--------|---------|
| 51 | 8.205 | 1115 | 1125 | 1138 | rBV2 | 110909 | 354569 | 70.49% | 10.182% |
| 52 | 8.452 | 1165 | 1167 | 1169 | rBV2 | 525    | 586    | 0.12%  | 0.017%  |
| 53 | 8.775 | 1214 | 1222 | 1231 | rBV  | 92202  | 184928 | 36.77% | 5.311%  |
| 54 | 8.957 | 1250 | 1253 | 1256 | rVB2 | 761    | 794    | 0.16%  | 0.023%  |
| 55 | 9.052 | 1266 | 1269 | 1271 | rVB  | 674    | 744    | 0.15%  | 0.021%  |

|    |       |      |      |      |      |       |        |        |        |
|----|-------|------|------|------|------|-------|--------|--------|--------|
| 56 | 9.075 | 1271 | 1273 | 1275 | rBV  | 709   | 804    | 0.16%  | 0.023% |
| 57 | 9.210 | 1288 | 1296 | 1306 | rBV  | 86763 | 181585 | 36.10% | 5.215% |
| 58 | 9.305 | 1311 | 1312 | 1314 | rVB2 | 656   | 444    | 0.09%  | 0.013% |
| 59 | 9.352 | 1318 | 1320 | 1323 | rBV  | 544   | 532    | 0.11%  | 0.015% |
| 60 | 9.416 | 1330 | 1331 | 1334 | rBV2 | 872   | 679    | 0.13%  | 0.019% |

|    |        |      |      |      |      |       |       |        |        |
|----|--------|------|------|------|------|-------|-------|--------|--------|
| 61 | 9.763  | 1389 | 1390 | 1394 | rBV2 | 857   | 835   | 0.17%  | 0.024% |
| 62 | 9.910  | 1414 | 1415 | 1417 | rBV  | 810   | 579   | 0.12%  | 0.017% |
| 63 | 9.981  | 1420 | 1427 | 1434 | rVV  | 47095 | 84383 | 16.78% | 2.423% |
| 64 | 10.034 | 1434 | 1436 | 1439 | rVB3 | 1005  | 904   | 0.18%  | 0.026% |
| 65 | 10.216 | 1464 | 1467 | 1469 | rBV  | 758   | 722   | 0.14%  | 0.021% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 66 | 10.269 | 1469 | 1476 | 1484 | rVV  | 128217 | 232398 | 46.20% | 6.674% |
| 67 | 10.387 | 1494 | 1496 | 1498 | rBV  | 1026   | 843    | 0.17%  | 0.024% |
| 68 | 10.528 | 1514 | 1520 | 1526 | rVB2 | 33463  | 59266  | 11.78% | 1.702% |
| 69 | 10.746 | 1555 | 1557 | 1558 | rVB  | 1036   | 612    | 0.12%  | 0.018% |
| 70 | 10.810 | 1562 | 1568 | 1574 | rVV2 | 27303  | 50717  | 10.08% | 1.456% |

|    |        |      |      |      |      |       |        |        |        |
|----|--------|------|------|------|------|-------|--------|--------|--------|
| 71 | 10.881 | 1574 | 1580 | 1591 | rVB  | 80762 | 133662 | 26.57% | 3.838% |
| 72 | 11.028 | 1604 | 1605 | 1609 | rVB3 | 1050  | 899    | 0.18%  | 0.026% |
| 73 | 11.140 | 1622 | 1624 | 1627 | rVB2 | 914   | 864    | 0.17%  | 0.025% |
| 74 | 11.193 | 1630 | 1633 | 1635 | rBV2 | 946   | 1108   | 0.22%  | 0.032% |
| 75 | 11.257 | 1642 | 1644 | 1645 | rBV  | 597   | 567    | 0.11%  | 0.016% |

|    |        |      |      |      |      |     |     |       |        |
|----|--------|------|------|------|------|-----|-----|-------|--------|
| 76 | 11.410 | 1668 | 1670 | 1674 | rVB2 | 597 | 561 | 0.11% | 0.016% |
|----|--------|------|------|------|------|-----|-----|-------|--------|

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Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCQ9RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Title : SFAM01.0

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 11.487 | 1681 | 1683 | 1686 | rBV  | 656    | 792    | 0.16%  | 0.023% |
| 78  | 11.581 | 1692 | 1699 | 1709 | rBV  | 169076 | 286895 | 57.04% | 8.239% |
| 79  | 11.799 | 1733 | 1736 | 1738 | rBV  | 893    | 934    | 0.19%  | 0.027% |
| 80  | 11.910 | 1753 | 1755 | 1757 | rBV  | 626    | 677    | 0.13%  | 0.019% |
| 81  | 11.993 | 1767 | 1769 | 1773 | rBV2 | 939    | 1115   | 0.22%  | 0.032% |
| 82  | 12.216 | 1803 | 1807 | 1808 | rBV  | 716    | 858    | 0.17%  | 0.025% |
| 83  | 12.416 | 1838 | 1841 | 1845 | rBV2 | 803    | 964    | 0.19%  | 0.028% |
| 84  | 12.575 | 1866 | 1868 | 1874 | rVB3 | 4156   | 6062   | 1.21%  | 0.174% |
| 85  | 12.651 | 1874 | 1881 | 1890 | rVB  | 153933 | 251384 | 49.98% | 7.219% |
| 86  | 12.822 | 1909 | 1910 | 1913 | rBV2 | 687    | 648    | 0.13%  | 0.019% |
| 87  | 12.863 | 1915 | 1917 | 1918 | rBV  | 1050   | 532    | 0.11%  | 0.015% |
| 88  | 13.122 | 1959 | 1961 | 1964 | rBV3 | 493    | 511    | 0.10%  | 0.015% |
| 89  | 13.522 | 2022 | 2029 | 2036 | rBV  | 178641 | 286806 | 57.02% | 8.236% |
| 90  | 13.663 | 2052 | 2053 | 2056 | rVB  | 993    | 451    | 0.09%  | 0.013% |
| 91  | 13.722 | 2061 | 2063 | 2066 | rBV  | 660    | 665    | 0.13%  | 0.019% |
| 92  | 13.816 | 2073 | 2079 | 2088 | rVB  | 176829 | 283778 | 56.42% | 8.149% |
| 93  | 14.087 | 2124 | 2125 | 2127 | rBV2 | 966    | 454    | 0.09%  | 0.013% |
| 94  | 14.322 | 2164 | 2165 | 2170 | rBV3 | 991    | 1468   | 0.29%  | 0.042% |
| 95  | 14.516 | 2196 | 2198 | 2199 | rBV  | 965    | 644    | 0.13%  | 0.018% |
| 96  | 14.675 | 2223 | 2225 | 2227 | rBV2 | 829    | 607    | 0.12%  | 0.017% |
| 97  | 14.887 | 2259 | 2261 | 2262 | rBV2 | 675    | 608    | 0.12%  | 0.017% |
| 98  | 14.934 | 2267 | 2269 | 2270 | rBV2 | 832    | 505    | 0.10%  | 0.015% |
| 99  | 15.481 | 2360 | 2362 | 2364 | rBV2 | 1346   | 1497   | 0.30%  | 0.043% |
| 100 | 15.581 | 2377 | 2379 | 2381 | rBV3 | 893    | 730    | 0.15%  | 0.021% |

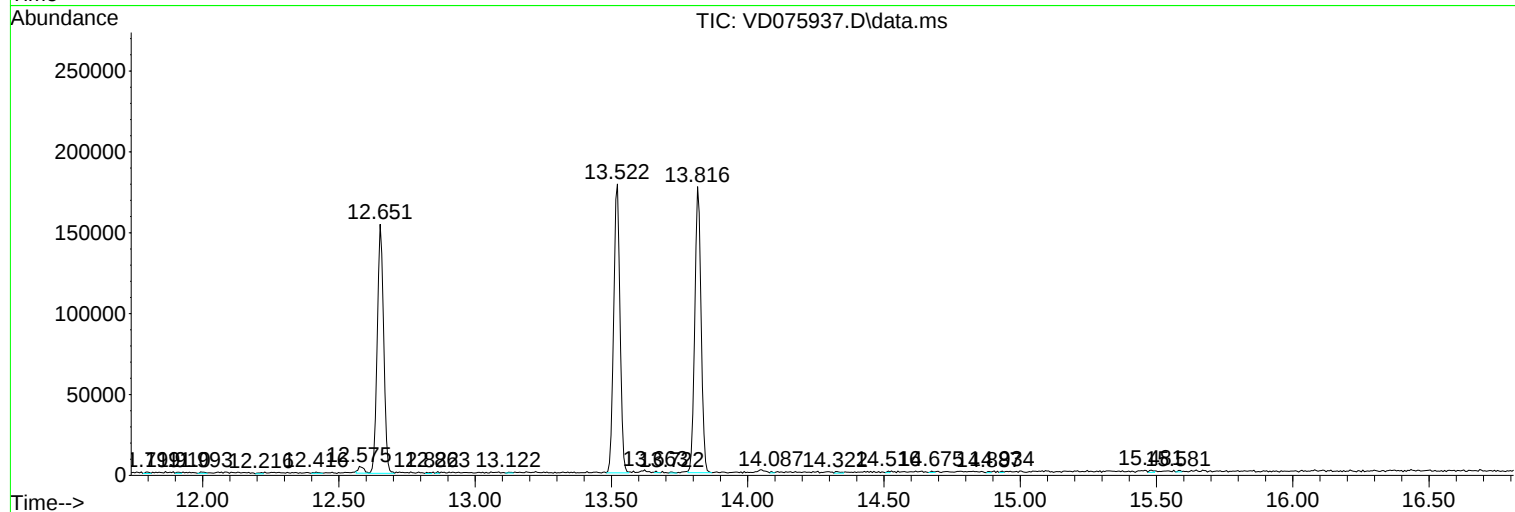
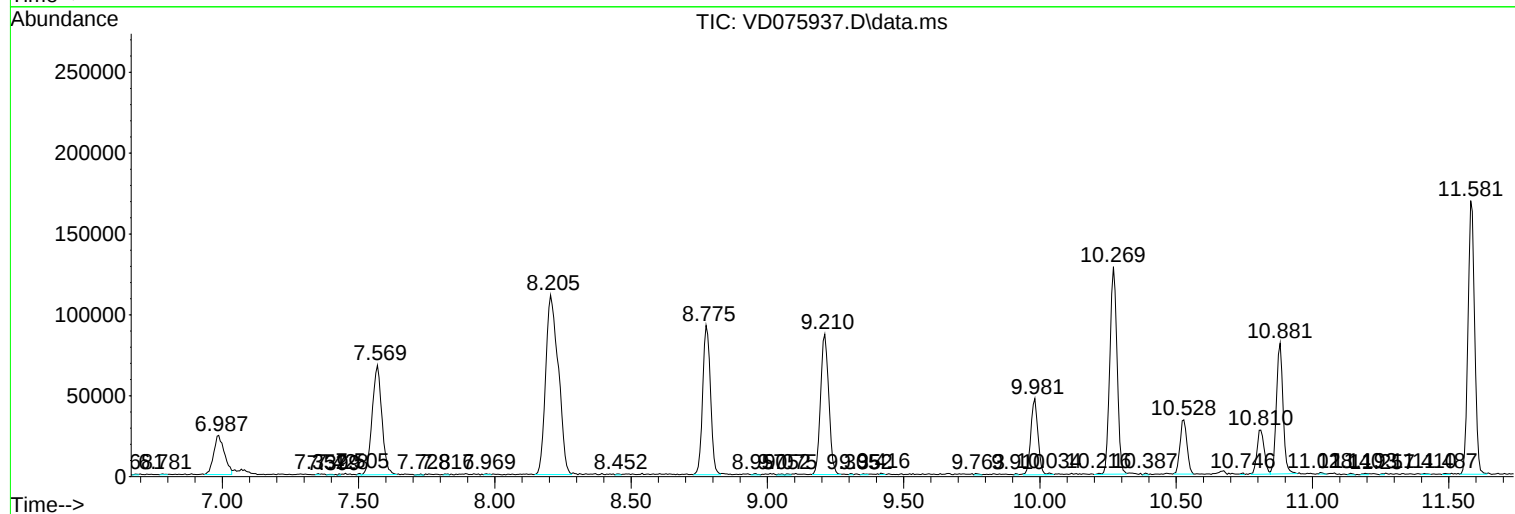
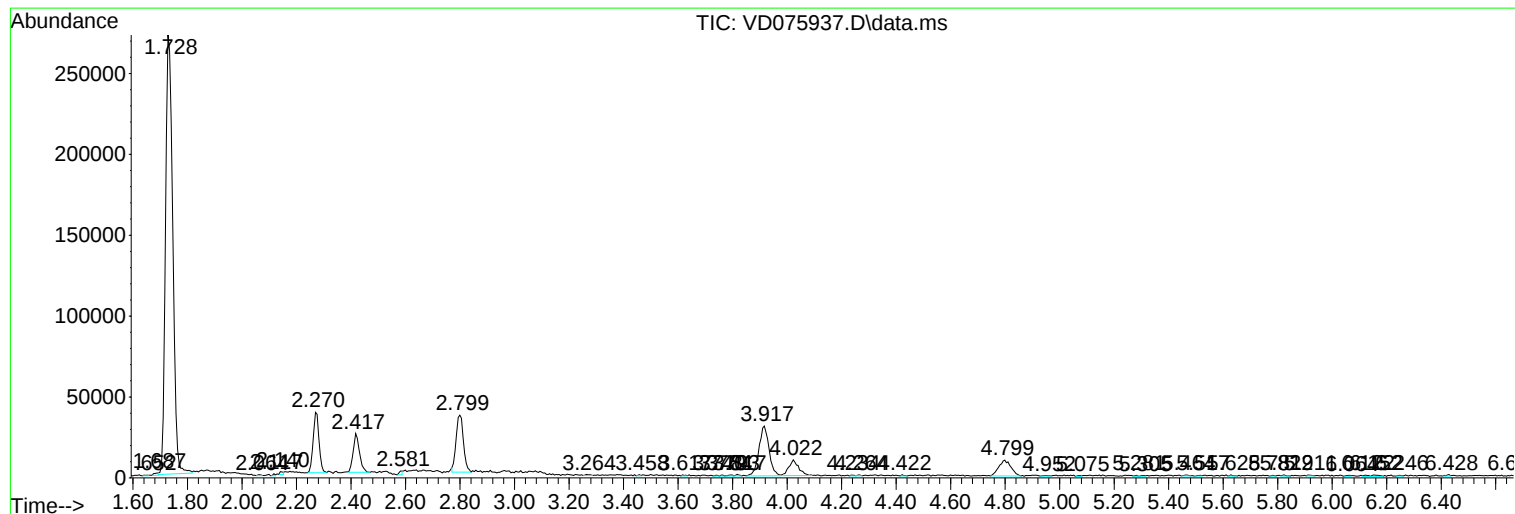
Sum of corrected areas: 3482224

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050123\  
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DCCQ9RE

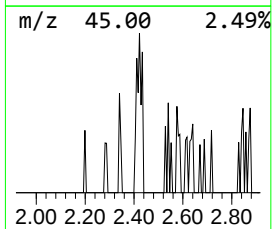
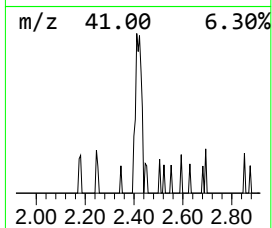
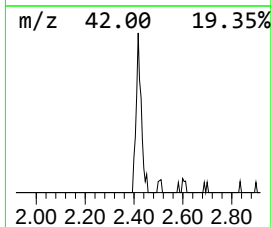
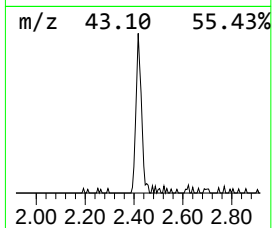
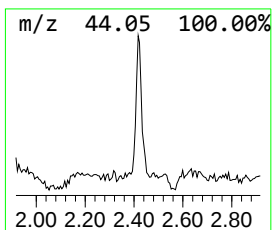
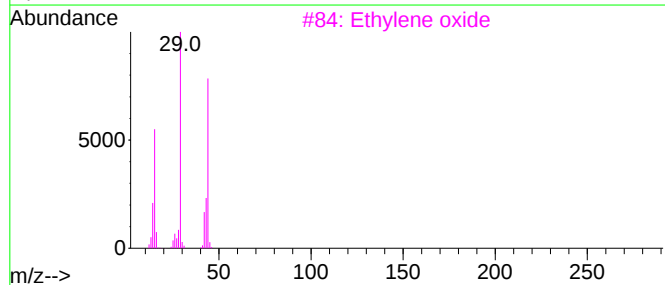
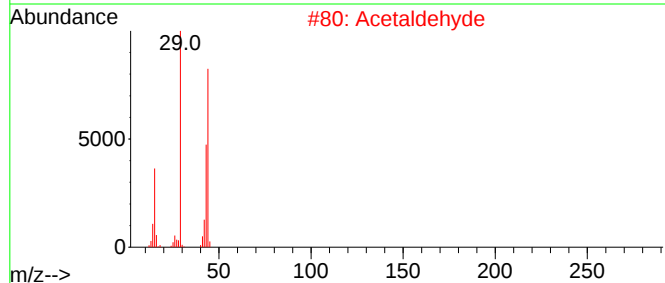
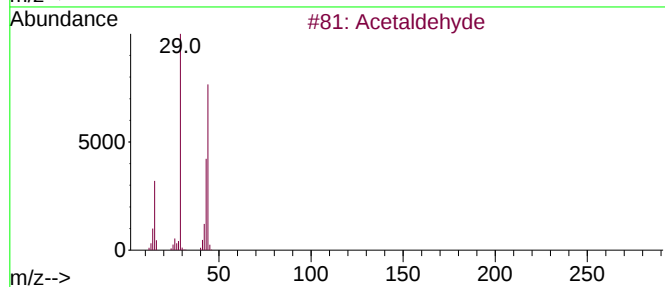
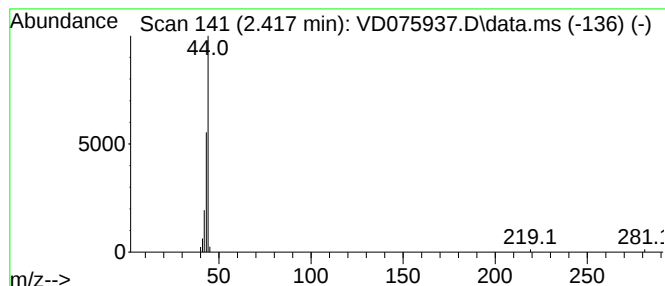
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 3

| R.T.  | EstConc   | Area  | Relative to ISTD    | R.T.  |
|-------|-----------|-------|---------------------|-------|
| 2.417 | 5.14 ug/L | 38043 | 1,4-Difluorobenzene | 8.775 |

| Hit# | of | 5 | Tentative ID   | MW | MolForm | CAS#        | Qual |
|------|----|---|----------------|----|---------|-------------|------|
| 1    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 9    |
| 2    |    |   | Acetaldehyde   | 44 | C2H4O   | 000075-07-0 | 9    |
| 3    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |
| 4    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |
| 5    |    |   | Ethylene oxide | 44 | C2H4O   | 000075-21-8 | 5    |



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Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown-01       | 2.417 | 5.1     | ug/L  | 38043    | 1                     | 8.775 | 184928 | 25.0 |